

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
23 December 2004 (23.12.2004)

PCT

(10) International Publication Number  
**WO 2004/110877 A3**

(51) International Patent Classification<sup>7</sup>: **B65D 17/34,**  
G09F 3/00

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(21) International Application Number:  
**PCT/US2004/018224**

(22) International Filing Date: 8 June 2004 (08.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/477,011 9 June 2003 (09.06.2003) US

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant and

(72) Inventor: CHANG, Charles [US/US]; 55 Westview Road, Wayne, NJ 07470 (US).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(72) Inventors; and  
(75) Inventors/Applicants (*for US only*): SHEFFLER, Robert, J. [US/US]; 41 Sandburg Drive, Morganville, NJ 07751 (US). CHANG, Lucy [US/US]; 55 Westview Road, Wayne, NJ 07470 (US).

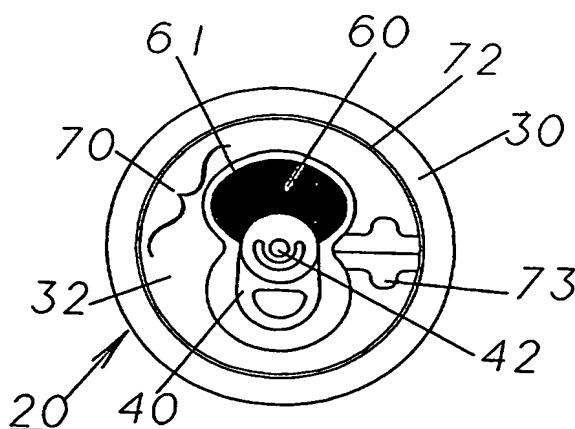
(74) Agent: CROZIER, John; 1934 Huntington Turnpike, Trumbull, CT 06611-5116 (US).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM,

(88) Date of publication of the international search report:  
10 March 2005

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: BEVERAGE CAN WITH LAMINATE ON TOP



(57) Abstract: In a preferred embodiment a protective laminate for a beverage can, including: at least one layer disposed across substantially an entire upper surface of a top of the beverage can; and the at least one layer having therein at least one score or die-cut line adapted to facilitate manual removal of the at least one portion of the at least one layer before a person consumes contents of the beverage can. A method of manufacturing the protective laminate is also provided, with the laminate being applied to the metal stock before the can components are formed and assembled.